ORIGINAL LOG BOOK OF THE "FISH HAWK"

UNITED STATES FISH COMMISSION

STATION RECORDS

Numbers 815 to 858

Smys SHANEZE

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"Hester Rake Dredge TEMPERATURE RECORD. Instrument used. 815 Current number of observation, Date, ang 18 1880 Locality, attentic Ocean Bearings, Block Island Lyh - nw x v-17 miles Time of day, 2.15 ; of tide, State of sky, &c Temperature of air, 72 surface of water, 72 at depth of 5 fathoms, 71 (10 f 56) 20 f 49 of bottom, 49 Depth, in fathoms, 29 Nature of bottom, Direction of surface carrynt, 22-Force of surface correct, Direction of bottom current, Worth S'W 1/4 Mile. Force of bottom current, Fish Hank Name of vessel, To what service attached, Name and rank of commanding officer, 243 L Zun Name and position of observer,

Franklick mrs.

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Instrument used, 7 3
Current number of observation, 8/6
Date, Oling - 23
Locality, Manny ansett Buy -
Bearings, Bustons Ruf Let, Ship E & S.
3/4 miles
Time of day, 10.23 ; of tide,
State of sky, Clen
Temperature of air, 7/
" surface of water, (4 (4 sort 7)
" at depth of fathoms,
of bottom, 66 (42080)
Depth, in fathous, 8/2
Nature of bottom, And
Direction of surface current, nm 5
Force of sueface correct, // Z
Direction of bottom-current, North 700 70 5 &
Force of bottom-current, 1/4 mile
Name of vessel, Fish Housek
To what service attached, W. S. F. C.
Name and rank of commanding officer,
L+ 3 L Zamen
Name and position of observer,
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TEMPERATURE RECORD.

Instrument used. 22 3
Current number of observation, 8/7
Date, Aug 23
Locality, numy unxeto Buy
Bearings, Brentons Ruf Light thip E1/2 N
3 miles -
Time of day, // are ; of tide,
State of sky, Clean
Temperature of air, 72
" surface of water, 68 (40 0-0 7)
" at depth of fathoms,
" of bottom, 63 (42666)
Depth, in fathoms, 10
Nature of bottom, Aand
Direction of surface current, March
Force of surface current,
Direction of Postcom our Mark MATS
Force of hottom-current, " 1/4 mile
Name of vessel, Frish Hamp
To what service attached, W S &
Name and rank of commanding officer,
436 Zuma
Name and position of observer,

Forant

217-Rume chandie a = 8/6-Echin essa chimis Horma many.

Instrument used. 24 3
Current number of observation. 8/6-
Date, aug 2300
Inally, Harry arest Bay
Bearing Prontone Theflat thep Ela A
3/4 miles
Time of day. 11. 20 ; of fide.
State of sky, Clean
Temperature of air, 72
" surface of water, (8 (40007)
at depth of fathame,
4 of boston, 63 - (42666)
Depth, in fathours, 9/2
Nature of hostom, Acres
Direction of sucheconvent, Armet
Force of surface movement, tr
Direction of Lation current, South 15 C
Forme of horson convent.
Name of vessel, Hint Engle
To what service attached, W. & Fr E
Nature and rank of commanding officer,
Name and position of observer.
Ind. I

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Instrument used, 2, 3
Current number of observation, 8/9
Date, aug 2 3 7
Locality, narrow assect Bay-
1/2 mile End Hope below SEXE
Time of day, 1 75 m; of tide,
State of sky, Clear
Temperature of air. 74
- surface of water, 73 (45257)
" at depth of fullroms,
" of bottom, 70 (42636)
Depth, in fathonis, 6
Nature of bottom, mud
Direction of surface current. From S.S. M.
Force of surface convent,
Direction of hostonic converse, Brith W. S. m.
Force of hortom-current, is by Mile
Some of vessel. Lish Lineth
To what service attached, LUS 7
Tame and rank of commanding officer,
Agh Zarmen
ame and position of observer,

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Instrument used, 22 3
Current number of observation. \$20
Dure, ang 23
Locality. Warreng ausett Bay
Marinen South End Bepte to: ANE
1/4 mile
Time of day, 1.40 7 Mg ; of cide.
State of sky, Clar
Temperature of air, 76
- surface of water, 72 (42666)
at depth of fathoms,
of hostion. 70
Depth, in fathoms, 5 1/2
Nature of bottom. Wind
Direction of section correct. Frank SS W
Force of surface surrous. 4
Birection of bottom corrent Unigh W XS
Form of Insummerson in 1/4 Miles
Name of vessel. Hick Hambe
To what service attached, W.S. S.
Name and cook of generanding officer,
Name and position of observer,
of al MA Land

REMARKS. 820 dejnymather devens Deutes klymen este imencanns Gior oper trinajno

THE RECORD.

Instrument used,

Carrent inpulser of observation.

Date Very 23
Locality. Narray ansett Bary
Burney South Lot Water Solvato Ny Sa
1/2 Mile
Time of day, 2, 15 Ph; of title,
State of sky. Ollar
Temperature of air. 78
" surface of water, 72 (22-2)
at depth of fathoms,
of bostom: 70
Depth, in Edhous, 5
Nature of bottom,
Direction of surfacement mand SS W
Force of surface dovest.
Direction of Instrumentary Striff
Force of bottom current, 11 /9 Mile
Name of vessel. Fish Handle
To what service attached, 2015 7 C
Name and rank of commanding officer,
24 g L Lumen
Name and position of observer,
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oto. Win well min

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Instrument used. 2
Current mander of observation. \$ 2 2.
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Date, luy 23
Locality, Harring account -
Bearings from Sold Soft shoul NE
1/4 mile
· V
Time of day; 3 / . ; of tide,
State of sky. Ellar
Temperature of air, 78
surface of water, 71
at depth of fathons,
" of human. 70 (42566)
Usersh in fatherns. 4/2
Nature of hoston. Aard
Direction of surface convent. nond && m
Forces of souther current.
Direction of Instagramment, Duth W
Force of intima-certical,
Name of vessel.
To what service similarly, LUSKE
Name and eask of common than offers.
Hy L Lamon
Name and position of observer,

Hothufflit MA

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Instrument used. 72 3
Current number of observation, \$2.3
Date, aug 24
Limity, alloute Volum.
Berings most Light Block Block. Ir /a
1/2 miles
Time of day, /2-35- ; of tide.
State of sky. L.C.
Temperature of air. 74
e surface of water, 63
at depth of 5 fathons, 63, (19f-63)
" of hottom, 60
Depth, in Edhous, 15-1/2
Nature of hollons. A. a
Direction of surface numbers, Joseph W
Percent surface and 3
Miredian of Indianocorrow Duffe Nov.
Form of nottennesseed. 11 4 mile
Name of vessel, Find Hamk
To what service attached, WSFL
Name and rook of communiting others.
Name and position of observer,

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Instrument used, 20 3
Current number of observation, & 2 4
Date. ary 24
Locality, allantic Chesis
vom hats light Black pland - 5 m /4 %
1 mile -
Time of day. /2 . J ? ; of tide.
Samitary Ollar -
Temperature of air, 74
surface of water, G.5
at depth of 5 thithours, 63. (10 f 68)
of bottom, 67
Depth, in histories, 13
Nature of lastom. Asral
Direction of successions. nand m
Force of surface our rent. // 3
Direction of business or March NW.
Victoria Samuella 14 Miche
Now Word Link Hank
To what service attached. WS 76
Name and rank of commanding officer.
It BL Lamen
Name and position of observer,

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REMARKS.

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Instrument used. 32.	-
Current number of observation. \$26	
Date, aug 24	
Locality, allantic Oum -	
Burner harth hight Ollech boland.	かかかきつ
11/4 miles	
Time of day, 1. 30 had; of tide,	
State of sky. Older -	
Temperature of air. 73 .	entte (S)
surface of water, 67	(4
" at depth of . 5 fathens, 6/	1.200 7
" of bottom. 60	(42666)
Depth, in fatherns, 13.	
Nature of bottom. Aond	
Mouthon of anderson or the first IT	12
Force of surface corporat, 11	
Direction of Commencer Durch	Nm
Furer of huttennesservents	1/2 mile
Name of vessel, Fish of wer	de -
To what service attached. W. J. L.	an.
Name and rank of commanding officer,	
HB L Lumen	
Name and position of observer.	

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TEMPERATURE RECORD.

Instrument sized. 22 3	
Current number of observation, & Z 6	
Bute. ary 24	
Locality allertie Ocenin.	
Bearings, Joseph Light Block Island -	man 27
21/2 miles.	
Time of day, Z . 4 6 ; of tide,	
State of sky, Clear	
Temperature of air. 73	
- surface of water, 67	(46 400)
at depth of 5 fathous, 66	
of hottom, 57	(40007)
Depth, in fathous, 22	,
Nature of bottom, Auril	
Direction of conference, France &	
Force of surface current, much &	
Direction of Intermedicant, Mary SS 7	W.
White White /4	muc.
Name of vessel, Fish Harrie	
To what service attached, 1470	
Name and rank of commanding officer,	
21 gh Former - 2	May.
Name and position of observer,	1

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20
Instrument used. N3
Current number of observation, 827
Date Cluy 24
Locality. Allantie Ocean
Bearing Trock-tright Block Folore (W KW 2
21/2 Miles
Time of day, 3. 0 3 ; of tide,
State of sky. Clear
Temperature of air, 7/
surface of water. 67 (46 400)
at depth of 5 fathers, 65
" of hotton, 57 (4007)
Depth, in fatherns, 20 /2
Nature of hutturn, Aural
Direction of surface assent, March
Form of suches convent. 22 3
Direction of Immonography Avel. Force of South Activities.
76 / 740 Z.
Name of vessel, Lish Hours
To what service attached, "US FC
Name and rank of examinating officer.
Name and foodthan of observer,

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Instrument used. 2
Current number of observation. & 2 8
Due ang 25
Locality, allente Gelow.
Hearings, Mostly Lat alle Island Smx 77 51
2/2 mills -
Time of day./2.40 ; of tide,
Since of eky, Atomory -
Temperature of air. 76
" surface of water. 66 (4640%)
at depth of fathems,
" of hottom, 60 (400 7)
Depth, in fathous, 15
Nature of bottom, Aund
Direction of surface success. Wind NN E
Force of surface current, Friend 6
Direction of International Worth ENE
Private of Introductions, 14 Miles
Namo of round. Fish Hornke
To what service attached, 24 Feb
Name and rank of commanding officer,
IN 3 L Farmen
Name and position of observer,

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REMARKS.

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Current number of observation, 3829	
Current manber of observation. 829	
Date, Oling 27	
Inally Of Salwanet R	iven _
Bearings, arm went Rock	
1/4 mile	
Time of day. 10, 45 ; of tide.	
State of sky, Blen	
Temperature of air. 63.	
- surface of source. (c)	(4644)
at depth of fathoms,	
of hottom, 65	(41707
Depth, in fathous.	
Nature of Indiana, Porting - Should	+ relines
Direction of mineral ?	ext.
Force of surface current, much	
Direction of bostom comment. Harth . S	1xE
Formations would dhick dhick	Ty Mile
Name of vessel, Bish Karrk	
To what service attached, WA AC	
Name and rank of commanding officer,	in
Name and position of observer,	

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REMARKS.

Projection received or selection of the received of the region in the contract of the contract

Instrument used. 20 3
Current number of observation, 530
Date,
wally of solvent River,
Burning French Bland Stxt 25
9/4 Mile
Time of day, //. /3 ; of tide.
State of sky, alice
Touperature of air. 44
- surface of water, 66 (4 2666
at depth of fathouse.
of bottom, 65
Depth, in Eithorns, 10/2
Nature of bottom. Acred
Direction of surface consent, France &
Farre of surface convents, March 2
Direction of lossessessess, Light net 2
Name of vessel, Rich Hunch
To what service attached. W R Z. C
Name and rank of commanding officer.
2/3, L. Loner men
Name and position of observer,
-4
F. E. Van Y Sil my D.

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Instrument used. A 3	
Correct number of observation, \$37	
Drive, arry 17.	
Locality, Sale met Rosen.	
Bearings Turch End Freich for	Court
ny ym 350 yarde.	
Time of day. 12. 30 place; of tide,	
State of sky. Elean.	
Temperature of air. (6	
surface of water, 7/	(42666
at depth of fathons,	
" of bottom, "	(40007)
Depth, in fathome, 6	
Nature of bottom, Plack Mirol	
Direction of audienterior, Willed & E.	
Force of series coment. Israed	
Direction of hottom comen, Alafh S	
Direction of hottom content, thingh of	le
Name of vessel, Lists Hank	
To what service attached. Wife C	
Name and rank of commanding officer,	
Lig L. Lawrence	
Name and position of observer,	
F.C. Yan V. list miso	,

REMARKS.

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TEMPERATURE RECORD.

Instrument used. N 3	
Current number of observation. §3 2	
Date, aug 17	
Locality. Sakonnet River	
Bearings, N. Sand Struld fol and	much
150 Junes	
Time of day, /2. 41 ; of tide.	
State of sky, clear	
Temperature of air. 70	
surface of water, 7/	(42666)
at depth of fathous.	
" of hatten, 41	(40007)
Depth. in fathours, X 9	
Nature of housen. Blk much -	
Direction of sarine sevent, Truck & E.	
Force of surface parent. Want	
Direction of house correct. Maybe 5	
Force of hostom should, & m	South
Name of vessel, Fish Hearle	
To what service attached. UA X C	£
Name and rank of commanding officer.	
492 Land	
Name and position of observer,	

Ac & Your hix mill

832 REMARKS.

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Jester Ruke Brudge

Instrument used. 23	
Current number of observation. 6-33	
Thate. aug 27	
Lading, Askrowet River -	
Bearings, South End World Blood - Z	0
10% June 2	
Time of day, / 7 m ; of tide.	
State of sky, aller	
Temperature of air, 70	
" surface of water, 71 (426)	34
at depth of fathems,	,
of hottom, 71 (40007)
Meyeth, in failment, 6/3.	
Nature of bottom, Sund -	
Direction of suchae current, Iranet J' E.	
barrent surface editions, more	
Direction of Louisia corrected, Month 5	
Force of lanton percent. 14 Mules	
Name of count, Hack Hands	
To What service attached, WA FU	
Name and rank of commanding officer,	
24 3 2 X	
Name-and position of observer,	
4 - 6 - 4 4 - 6	

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Chester State Develye -

TEMPERATURE RECORD.

Instrument used. 21 3	
Current number of observation, § 3 4 -	
Thire, aug 27	
Locality. Automach Rules -	
Bearings. Mc Courses Pint m.S.	27:
4 mile	
Time of day, /, 30 ; of tide,	
Status sky, Clar	
Temperature of hir. 6 3	
surface of water. 73	142666)
at depth of fathous,	
" of horton. 7/	(4000
Depth, in fathens, //	
Nature of hattom. Aurst -	
Direction of surface current, Berry	
Force of sucher correct. much Z	
Direction of Consumer over Margh Ry E	
Which the street of hile	
Name of vessel, Fish Hank	
To what service attached, 102 7 C	
Name and rank of commanding officer,	
2 3 L Zumen	

Name and position of observer,

Fle. ran & best mill

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Instrument used,

Current number of observation,

Date, any 27	
Locality, Dockomeh Rivers.	
Hearings, Mr. Commys Pint No	45-
1/4 miles	, -
Time of day, 1,50 ; of tide,	
State of sky, Oliver	
Tesuperature of air. 68	
surface of water, X3	142666
" at depth of fathous,	
" of hottom, "7/	41777
Depth, in futbous, 3/2	
Nature of luction, Melle	
Direction of surface current, hard S &	
Force of surface arrent. Wind 2	
Direction of homogramson. Wife	
Prime of bottom cutrens	le
Name of vessel, Fish Hank	
To what service attached, us fo	
Name and rank of commanding officer,	
It 3 L Lamen	J
Name and position of observer,	
Je . Van Y lit 7	140

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TEMPERATURE RECORD	
Instrument ased. 71 3	
Current number of observation. 836	
Date. aleg 27	
Locality, Saponnet River	
Henrings. Black Porish - W1/4 1	erir L
Time of day, 2.25 ; of tide,	
Statu of sky. Clear	
Temperature of air. 66	
surface of water, 7/	4266
at depth of fathous.	
of hottom, 7/	40007
Depth, in fathous, 5	
Nature of housen, Aard,	
Direction of series correct. Bond - SSE	
Force of suchan composit. Ap 2	
Direction of Live Mark SSN 14 Min	lu
Name at west, Fish Hand	
To what service attached. W. S. F. C.	
Name and rank of commanding officer,	

Name and position of observer,

F.C. Vaw V Sich mil

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TEMPERATURE RECORD.

Instrument used. 2	
Current number of observation. \$37	
Date, aug 27	
Locality. Sakownet River	
Bearings, Block Porch My	12/2 27
/2 Thile	
Time of day, 2 of 3 - ; at side.	
State of sky, Clear	
Tomperature of air. 6 9	
** surface of water, 71	42666
at depth of fathome,	
of hottom. 4/	40007
Depth, in fathous, 5	
Nature of hottom, Band	
Direction of surface correct, Provided 57 C	
Furre of surface current, do 2	
Direction of Land rational, March Sy &	-
which doubt y to	inle
Name of some thick thank	
To what service attached. 24 FC	
Name and rook of journal ling of larg.	
21 7 L Zannen	
Name and position of observer,	

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Instrument used. 20 3	
Current number of observation, 839	
Date, arry 2 7	
Locality. Sakemuch Rosin	
Barine more Costle mx	· ·
mile	
Time of day, J. /6 = ; of tide.	
State of sky. Clear	
Temperature of air. 66	
surface of water, /2	(42666.
at depth of fathous.	
of bottom, (8	(40007)
Depth, in habours. 5 ((1
Nature of Instance. Aund	
Direction of surface concent. Many RAE	
Form of surface output, do 2	
blish Shift Sext	
Exercis harries manner, & Trule	
Name of vessel. Fish Hank	
Po what service attacked. WS 7C	
Same and rank of commanding officer,	
It 3 & Zammer	

Name and position of observer,

Dr F. c Yawklich

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REMARKS.

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TEMPERATURE RECORD.

Instrument used. N 3
Carrent number of observation, 8-39
Date, ary 31 21
Locality. Marry and Bury
Burnes Dumplings north
310 Yords
Time of day. 9.50 ; of tide.
State of sky. Le C
Temperature of air. 67
surface of water, 67 43666
at depth of 5 fathoms, 62. (10 1 - 65)
of bottom, 6/ (40:07)
Depth, in fathoms, 27 /2
Nature of bottom. Street -
Direction of surface surrent, Franch NN &
Force of surface correct to
Direction of Series Arrent. With AW
Port of Later percent, 1/4 mile
Name of vessel. Fish Howk
To what service attached. WF 7 6
Name and rank of commanding officer,
It of L Tannen
Name and position of observer,

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Instrument used. 22 3.
Current number of observation, 840
Date, ary 31
Locality Murray are sett 1300
Busines Dumplings. 127127
150 Fords
Time of day, 10, 05"; of tide,
State of sky. In C
Temperature of air. 6 7
surface of water, £7 (42666)
at depth of 5 fathoms, 65 (19 65)
of bottom, 61 4020 7
Depth, in fathous, 20 1/2
Nature of hortom. Thousand
Direction of surface con-mt. Travel NYE
Force of surface current, 112
Direction of horrow content, Land
Wish therefore,
Name of vessel, Fish Harle
To what service attached, US & C
· · · · · · · · · · · · · · · · · · ·
Name and rank of commanding officer,
Name and rank of commanding officer, Ly 3 L Lurren
It 3 L Lumen

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REMARKS.

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TEMPERATURE RECORD.

Instrument used. 2 2
Current number of observation, 8-4/
Date. Aug - 31
Locally, Trung worth Bay
Boarings Phyle Elod Let. nexe = 2
1/8 mile
Time of day, 11, 43 ; of ride,
State of sky, 2 C
Temperature of air, (
" surface of water, 67" (42666
" at depth of 5 fathoms, 67 (10/65)
" of bottom, 60
Depth, in fathous, 21
Nature of bottom. Strand-
Direction of surface current, round & Z & &
Variety of the 2
Directional button accept.
Porone bodom current, " 1/4 Will
Name of vessel, Fish Lands
To what service attached, WS # C
Name and rank of commanding officer,
Levit Ble. Lanner
Name and position of observer,

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Instrument used, 22 3	
Current number of observation, 842	
Dur. aug 31	
Locality, nancyawatt Bay.	
the winds	€ 1/2 €
Time of day, June ; of tide	
State of sky. Clear	
Temperature of sir. 6 9	
surface of water, 67	(42666
is a depth of futherns	
of latton. 67	(41277
Depth, in fatherns. 8	
Nature of bottom. And	
Direction of surface convent, Tomal En at	
Force of surface convent, 70 mol	
Direction of Indian support, Maria	
Porce of boston cont.	
Name of vessel. Finh Hamk	
To what service attached. WF FC	
Name and rank of commanding officer,	
Level By Hanne	_
Natue and position of observer,	
10 11 2 m ml 1/	

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REMARKS.

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Instrument used. 2
Current number of abservation, 843
Date, Oug 3/ 1880
Locality. Paragourett Bay-
Bring M. Sut Mysis Wand NE = E
4 mile
Time of day, /2, The ; of tide.
State of sky. Olav
Temperature of air. 69
surface of water, 69 (42686
" at depth of 5 buthoms, 67
" of latters, 62 (40007)
Depth. in fatherns. /4/2
Nature of hottom, Aury
Direction of surface coment. From Zack
Force of surfacement, do 3
Direction of Lations Court & World N
Force of hottom entreut. /4 Mile
Name of vessel. Fish Hank
To what service attached, W. J. F. L
Name and reak of remnanding officer,
Lienx 3 L Lamen
Name and position of diserver,
Was H. C. Tan Pich

143

REMARKS.

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France

Instrument used. 76 3	
Current number of observation, 844	
Date ary 31	
Lealing horning anset day -	
Burines, N. Sort Dyers Wand 287	2 2
4 mile	
Time of day, /2,30 ; of tide,	
State of sky. Clear	
Temperature of sir. 70	
surface of water, 64	(42666)
it at depth of 5" fathous, 67	
of hottom, 63	(40007)
Depth, in fatherns, // 1/2	
Nature of hottom. Aury	
Direction of surface correct, Barre &	
Force of motors worth. olo 2	
Direction of house in 19 mile my	277
	Trile
Name of vessel. Fish Hourk	
To what service attached, W. J. F. C.	
Name and rank of commanding officer,	
Lient J.L. Lanner	,
Name and position of observer,	
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REMARKS. Laminaria. asterias Falini Ericilla some indita Homacus americannel Libraria, actionia punctulata Vous broken stills anil upo, hophopueta moulota. burnedt, america Philip Union ingualities during Landy oliver & Ode freising

yourt.

TEMPERATURE RECORD.

Instrument used. 22 3
Current unmilier of observation, 845
Date, Duy 31
Locality, narroys and Hay
Drawing Brodling light M1/22
3/4 mile 2
Time of day, / / Pr ; of tide,
State of sky. U
Temperature of air. 70
surface of water, 69 (42666)
at depth of 5 tathons, 67
of bottom, 64 (4000)
Depth, in fathours. 14/2
Nature of bottom, Irrel
Direction of makes mount, I made n &
Forme of services increase, do 3
Direct med instrumental Abrah A
Numeral vessel. Fish Harrie
To what service attached, W. S. F. C
Same and rank of commanding officer,
Lient of L Lumen
Name and position of observer,

Den F. C. Van Klick

845-

REMARKS.

Thomas Conglit when musting quick ofter

Cartinian Francisco

Chester Roke Dass

Instrument used. In 3	
Corrent number of observation, 846	
Date, They 31	
Locality. Murray are sett i have	
Bearings, Bredlings light Ax 6 3.	L
11/2 Tille -	
Time of day, /, 35 ; of tide.	
State of sky. Elice	
Temperature of air. 70	
surface of water, 6 &	(42556)
" at depth of 5 fathous, 67	
of lintton. 63	(40007)
Depth, in fatherns. 141/2	
Nature of bottom. Housel	
Direction of surface esercent, need ne	
Porce of suffice current, 27 mol	
Direction of bottom convent, & 21 &	
Name of vessel, Fire Heart	
To what service attached, WS 7 C	
Name and rank of commanding officer,	
Leit 3 L Lames	_
Name and position of observer,	

REMARKS. astrino Portesii Can un (grung) many Melle-

Frank TEMPERATURE RECORD.

Instrument used. 20 3	
Current number of observation, 847	
Date, Orig 31	
Locality, The way de worth Bear	
Bearings Holy they find No	23-
mule	
Time of day, Z . /3 ; of tide,	
State of sky, Class	
Temperature of air. 70	
surface of water. (&	(42666)
" at diguth of 5 fathoms, 6	-
a of hottom, 6 Z	(41777)
Depth, in fathous, /2 /2	
Nature of hottom, Mrs.	
Direction of sarine concern. march Earl	Z'
Force of sufficiency old 3	
Direction of hottom carrent, Mush NN	2
Name of words . Fish Hank	res.
to when some attached. In S. F.C.	
Same and rank of commanding officer,	/
Varie and position of observer	

REMARKS. Restaury believe give mus with as most one will with theps dide and the antents (about 2 longer much) were surposed darked the 200.

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Instrument used, 71 3
Cutrent number of observation, 348
Date, Clay 31
Locality, Therry resett Buy
Bearings, Link Land _ Land
1/2 mile
Time of day. 3 ; of tide,
State of sky, Clear
Temperature of air, 69
- surface of water, 6 %. (42 666)
ni digith of 5" flathones 6 8. (10 f 67)
of hoston. 62 (42002
Depth, in fathous, 15-/2
Nature of bottom, Musel .
Direction of surface consent. Proof 5'E
Force of surface corrent, to 3
Direction of Intermedial Miles
14 lanton carried, 19 ML
Name of vessel, Frish Hands
To what service attached. W. S 7 C
Name and runk of commanding officer,
duch 3 L Lumen
Name and position of observer,
100000000000000000000000000000000000000
Her F & Von Vlick

REMARKS. Nava Irinorea well Alburne cles americanis whomette mountains Printishoneling aling Steno lomes dry grafie Physics denne daguazione segertire Your togolobous ades person Charles Make Deralge

Instrument used. R 3
Current number of observation, 849
Date, Sept 1st
Locality, Typing somesett Bay -
Burne Millumpling. WWW 2
1/4 mile
Time of day. 9, 20 ; of tide, the
Sinte of sky, Clary
Temperature of air. 67
surface of water. 67 (4265)
at depth of 5 futhous - 67. (10 \$ 66)
of hotton, 62 - Your
Depth, in fathoms, 20
Nature of buttom, Aand
Direction of our comment. Thend Variable
Force of such sucreent, old
Direction of latton manual, Lluft 5 m
the of bottom, in the little
Name of vessel, Hick Hank
To what service attached, WS 7 2
Name and rank of commanding officer, Liliah B. L. Lermen
/
Name and question of observer,

8.47 REMARKS. Hydrondo, asterino vulgario asterias Horberi Empryumo lovore unpres ticully surgerindenta Expetition Chamer . Empry nous polliences Calican horealis You togologous odespersus Ayrenothies hereis

Instrument used. 7: 3
Current number of observation, 850
Date, Lifet 1
Landing narroganist Buy
Bearings & Dumpling. EZE &
12 mile
Time of day, 9. 40 ; of side, Ell
State of sky. Clear
Temperature of air. 67
surface of water, 6 7 (4 266.
at depth of 3 - fathoms, 67 (19 66)
of bottom, 63
Depth, in fathous. 14//2_
Nature of hoston, Phelle:
Direction of surface correct. And Each
Force of surface courses. do . 2
High while 1/4 mile
Variety Visite Hearts
Young and rank of commanding officer,
ph.
Lient iz L Lumen
same and position of observer,
Alo Je C. Yaw Vlich

REMARKS. Rand dallace. Empirempus Lester take blessys

Instrument used. A 3	
Current number of observation. 857	
Date. Sept 1 2	
Inalla narroy ansett Bay	
Beneficer Dewen Love Light Sits	7700
14 miles	
Time of day, 10 ; of ride, Elele	
State of sky, Ulm	
Temperature of air. 66	
surface of water, 67	(42666)
at depth of 5 fatherns, 66	•
of bottom, 66	(42307
Depth. in flutions, 121/2	
Nature of bottom, Sured	
Direction of surface correct. Trans	
Force of surface courses: do 2	
Direction of bottom correct, Allegh	nule
Name of vessel, Kish Haul	
To what service attached, US % C	
Name and mak of communicating officer, LA 3 L Larres	
Nume and position of observer,	
Her Fe Vun Vlich	

REMARKS. much Laminain

Your C TEMPERATURE RECORD.

Instrument used,

Current number of observation,

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Limity, married 13	7
Harrings Berny To Light 5	min
2 × miles	
Time of day. 10.33 ; of tide, The	
State of sky, Oldani	
Temperature of air. 67	
surface of water. 76 167	(42568)
at depth of fathous,	
of bottom, 66	(4000)
Depth, in fathours, 2 1/2	
Nature of bottom, Aund	
Direction of surface current, Mand	
Porce of surface correct, plo	/
Direction of batton carrent, Much	1
the to be been many things /	y mile
Name of vessel. Froh Hernto	
To what service attached. WS 7 C	
French of Lame	الوعا
Name and position of observer,	
Ils F. C. Van V. Lich	
hate -	
Mid thurned in Mentioner	_
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REMARKS. Loliza Realis. Ethingara chimies from Honous americanes. Empoyeurs policuis stindromus any gropes Prendo plear of the Brusicanow Lophopsella maculata Maia crinquen Samolus Carolinus Lundre of alises adeaperson Angely unthines fue was Oslildonombus declares

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TEMPERATURE RECORD.

Instrument used.

Date

Current number of observation. 853

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Locality, Marring and the Pray	
Howing Bearin Wil light - 8 77 x 8	
2 miles	
Time of day. 10 50 ; of tide, The	
State of sky, Alas	
Temperature of air. 6 8	
surface of water, 76 167 42666	
at depth of fathons.	
. of hertom, 67 4000	7
Depth, in fathers, 4/2	
Nature of hollow. Aund	
Direction of author correct. World	
Force of surface correct. do	
Window of Suith Shift S' Muly	
Name of vessel, Fish Hamb	
To what service attached. W. S. 7 C	
Name and rank of commanding officer,	
Name and position of observer,	
An Fl Von Vlick	
1ste-mid channel in moderate	
lone.	

REMARKS.

Instrument used, 72 32	
Current number of abservation, 85-4	
Inin Seph. 122	
Boothy humayansett Boy	
Harris Benen tent light 5 %	v=1,5
13/4 miles	7
Town of day, 11. 10 : of tide telle	
Sintered stay, Elexini	
Temperature of air. 69	
surface of water, 47	42666
at depth of fathous.	
of hottom. 67	4000)
Depth, in fallows, 6	
Nature of bottom. Aund -	
Direction of surface correct. Timel DE	
Force of serfece convent. do	
Direction of bottom conventor, thingh	
Fator of Inches constant. do	4 mile
Name of vessel, Ligh Hunds	
To what service attached, W. J. 7 C	
Name and rank of commanding officer,	
Just of L Lame	w
Name and position of observer,	
Ilm de Van Which	
The grid channel is manchenel of	m. / . *

859 REMARKS. same that action as lunch Kimulus Poly plemus Homanus americanus Mendonius argyrops Prionolis Curalinus Pseudishombus deutatus Landizolabous adespesses mulbolenone de americanus Laphoputta maulata Clonoxcion regalis

Yound

Instrument used. N 3-
Current number of observation. #5-5-
Date. Jefah 1 2h
Loudin Marriaganisett sting
Bearings. Be were tail light S'W & S
a miles
Time of day, 11. 40 ; of ride, Elle
State of sky, Oliv
Temperature of air, 70
surface of water, 68 42666
" at depth of fatheres.
of button, 68 42007
Depth, in futhous, 3 7
Nature of bottom, fix Aund
Direction of surface assessed. France
Force of surface current. do
Direction of hottom current, Duille
first word do 1/4 mile
Name of vessel, Fish Hands
To what service attached. WS FC
Name and rank of commanding officer,
Luit It Lomen
Name and position of observer,
In H. G. Van V. bich

27-1-REMARKS. Raia erinales, Chilichthus Surgielus Menolomus ary more Preceloplemonee! Emerica Lephopsette muculation Erme nathing fusure Historius Cholinas

Chester Ray	fre klessy &
TEMPERATURE	RECORD.

Instrument used,

2 4 /	
Current augustor of observation. 85-6	
Date, Sept. 1 or	
Lealing narry consett	Bry
Bearings Bearer til light 57	72m
1.3/8 miles	
Time of day, 12,0 3; of tide.	
State of sky, Olen	
Temperature of sir, 6 9	
surface of water. 68	42686
at depth of 5 fathous,	
of hoston, 67	41.007
Depth, in fathors, //	
Nature of bottom, Shrull .	
Direction of Surface Start &	
Force of surface current. 26 2	
Direction of billion was not. If the S.	PE.
Promot littlement, do /4	Tule
Name of great. Rish How	R
To what service attached, 205 7 (
Name and rank of commanding officer,	
Ly L Farm	en
Name and position of observer,	

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S-3.6 REMARKS.

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Chester lake Bredge.

Instrument used, 7, 3	
Current number of observation, \$85.7	
Date, rept 1 st-	
Locality, Nanugansett Bay -	
Bearings, Bener til light - ms	かきか
110 mile	- 1
Time of day, /2, 35 ; of tide,	
State of sky, L. C -	
.Temperature of air, 69	
" surface of water, 63	42666
" at depth of /O fathoms, 66,5	
" of bottom, 66	40007
Depth, in fathoms, 19-	
Nature of bottom, Land-	
Direction of surface surrent, mnd AE	
Force of surface current, do 2	
Direction of bostom current, Driff 25	
Force of bottom current, do 1/4	mile
Name of vessel, Fish Hunk	
To what service attached, WS 7 C	
Name and rank of commanding officer,	
Lent 3 L Larmon	1
Name and position of observer,	17
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857 REMARKS. Chester Rake Merelye

Instrument used, 70 %	
Current number of observation,	
Date, Leph 1st	
Locality, narry ansett Ba	y
	m/4 n
1/3 mile	14"
Time of day, 1.0 5 ; of tide, flowed	
State of sky, Clear	
Temperature of air, 69	
" surface of water, 63	42666
" at depth of D fathoms, 66.5	
" of bottom, 66	40007
Depth, in fathous, 14	
Nature of bottom, Shelly -	
Direction of surface current, Mmed 2 (
Force of surface current, ds 2	
Direction of hottom correst, Lough	
Force of bottom current, do 1/4	my
Name of vessel, Jish Hunh	
To what service attached, WS XC	
Name and rank of commanding officer,	
H 3 L Lummen	/
Name and position of observer,	

Alo Fe Van Klich

REMARKS.